

A Frailty Index based on clinical data to quantify mortality risk in dogs

Tommaso Banzato^{1*}, Giovanni Franzo¹, Roberta Di Maggio¹, Elisa Nicoletto¹, Silvia Burti¹, Matteo Cesari^{2,3}, Marco Canevelli⁴

Questionnaire used to calculate the frailty index

Date		
Owner: _____	Phone _____	Name of the animal: _____
Breed _____	Sex: F FN M MN	Date of birth: _____
Weight: _____	Body condition score: _____	

◆ Diet	Commercial	Home made	Mixed	Notes
◆ Up to date with vaccinations	Yes	No		_____
◆ Regular Dirofilariasis Prophylaxis	Yes	No		_____
◆ Antiparasitic treatment	Yes	No		_____
◆ Hospitalization in the last year	Yes	No		_____
1. Assistance for standing up	Yes	No		_____
2. Decreased appetite	Yes	No		_____
3. Assistance for eating	Yes	No		_____
4. Incontinence	Yes	No		_____
5. Assistance for climbing stairs	Yes	No		_____
6. Decreased activity last year	Yes	No		_____
7. Reduced cognitive ability	Yes	No		_____
8. Reduced vitality last year	Yes	No		_____
9. Weakness during exercise	Yes	No		_____
10. Congenital defects	Yes	No		_____
11. Weight loss (no diet or exercise)	Yes	No		_____
12. Hair opacity	Yes	No		_____
13. Chronic Therapies	Yes	No		_____
14. Epilepsy	Yes	No		_____
15. Episodes of disorientation	Yes	No		_____
16. Chronic infective disease	Yes	No		_____
17. Endocrine disease	Yes	No		_____
18. Chronic inflammation	Yes	No		_____
19. Acute vascular problems	Yes	No		_____
20. Cancer	Yes	No		_____
21. Diabetes	Yes	No		_____
22. Osteoarthritis	No	Mild	Severe	_____
23. Hearing impairment	No	Mild	Severe	_____
24. Cardiopathy	No	Mild	Severe	_____
25. Chronic respiratory disease	No	Mild	Severe	_____
26. Hepatopathy	No	Mild	Severe	_____
27. Neurological deficits	No	Mild	Severe	_____
28. Diseases of the oral cavity	No	Mild	Severe	_____
29. Visual impairment	No	Mild	Severe	_____
30. Chronic digestive disease	No	Mild	Severe	_____
31. Disease of the Hematopoietic system	No	Mild	Severe	_____
32. Dermatological diseases	No	Mild	Severe	_____
33. Chronic kidney disease	No	Mild	Severe	_____

Only items numbered from 1 to 33 are used for the calculation of the Frailty Index. A score of 0 (No) or 1 (Yes) is assigned to items 1-21. A score of 0 (No), 0.5 (Mild), or 1 (Severe) is assigned to items 22-33. The Frailty Index was calculated in this way: $\sum \text{score} / 33$.